**Investigating Common Descent Worksheet/Data table**

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| --- | --- | --- | --- | --- |
| **Human DNA compared to:** |  | **Number of matches** |  | **Unmatched bases** |
| Chimpanzee DNA |  |  |  |  |
| Gorilla DNA |  |  |  |  |
| **Data for common ancestor DNA** |  | |  | |
| **Common ancestor DNA compared to:** |  | **Number of matches** |  | **Unmatched bases** |
| Human DNA |  |  |  |  |
| Chimpanzee DNA |  |  |  |  |
| Gorilla DNA |  |  |  |  |

Questions:

1. How do the gorilla DNA and the chimpanzee DNA compare with the human DNA?
2. What do these data suggest about the relationship between humans, gorillas, and chimpanzees?
3. Do the data support any of your hypotheses? Why or why not?
4. What kinds of data might provide additional support for your hypotheses?